

FIG. 1

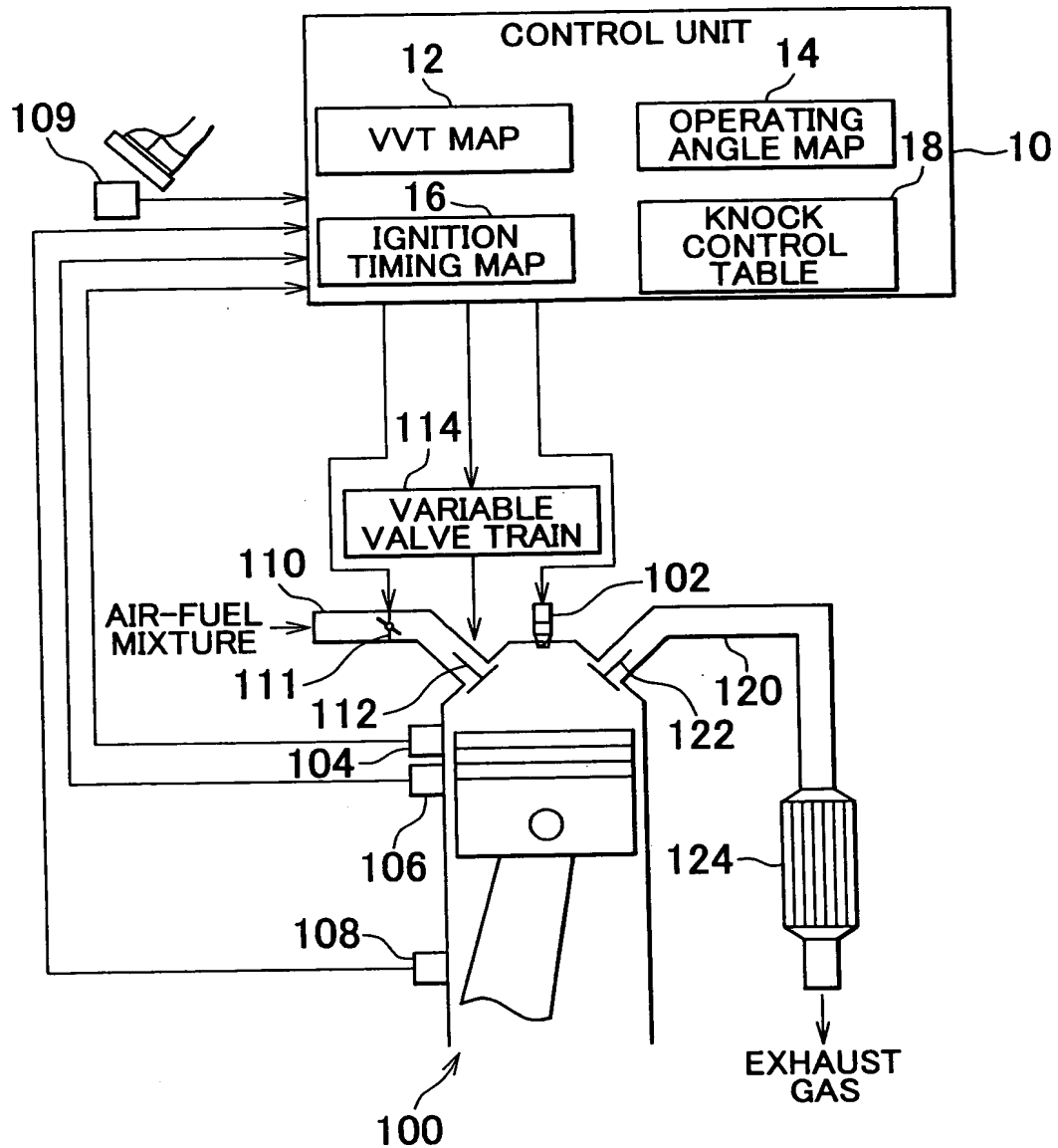


FIG. 2

VALVE-OPEN/CLOSE TIMING ADJUSTMENT
OF INTAKE VALVE BY VARIABLE VALVE TRAIN

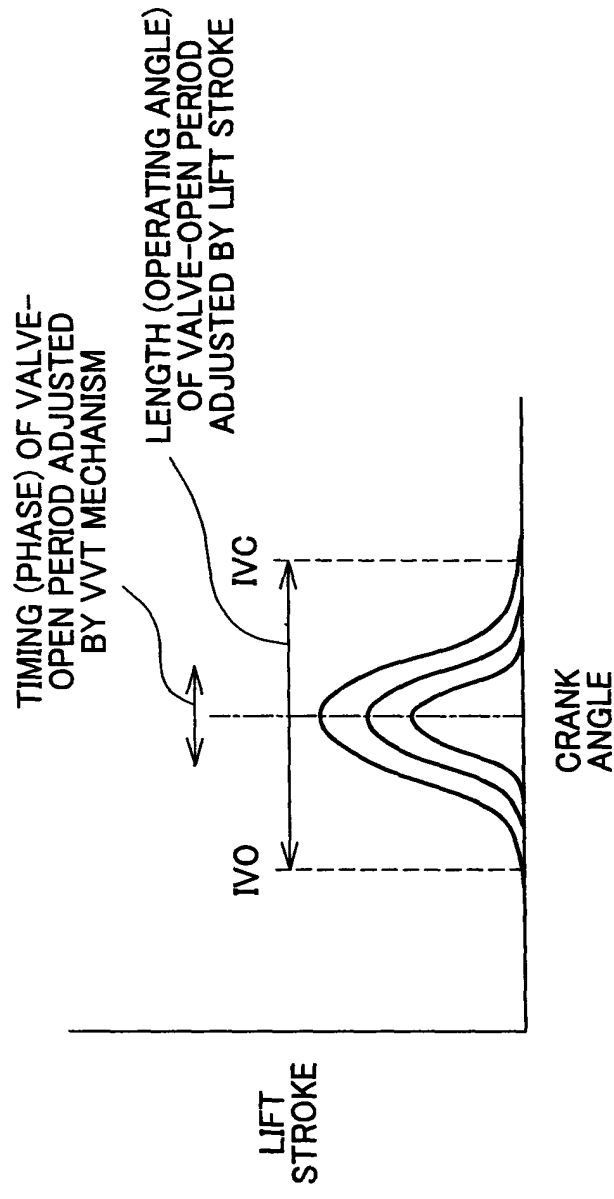


FIG. 3A

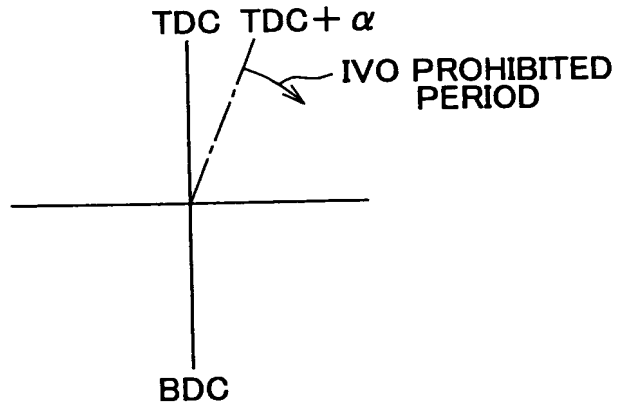


FIG. 3B

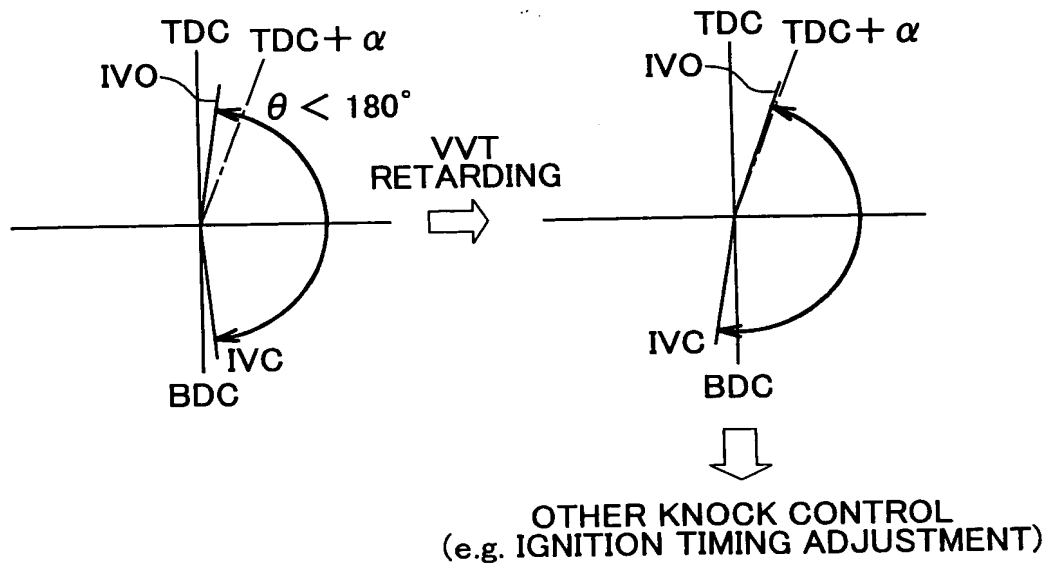


FIG. 4A

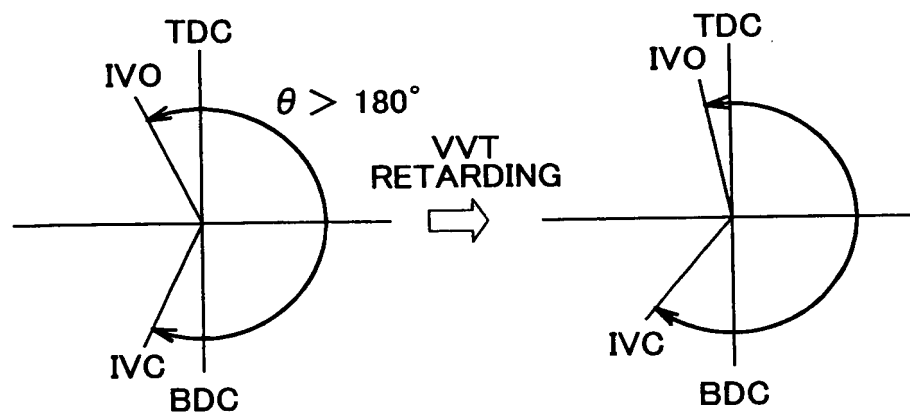


FIG. 4B

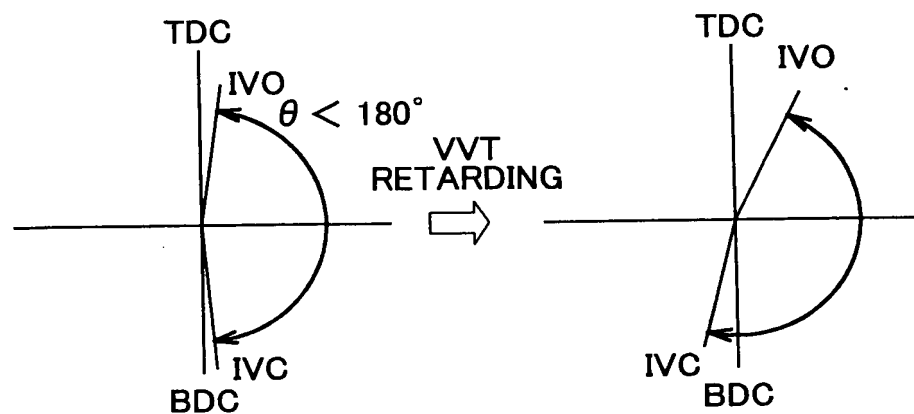


FIG. 5

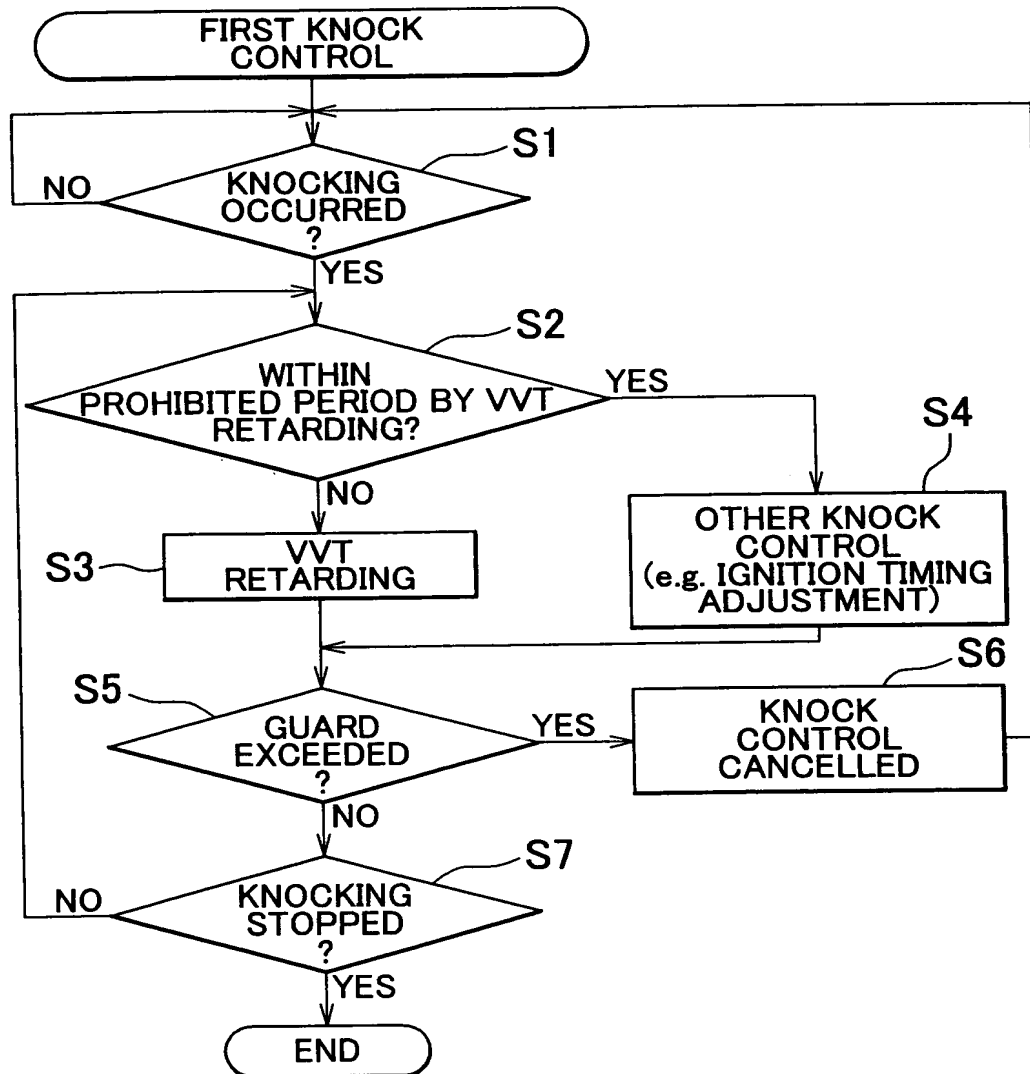


FIG. 6A

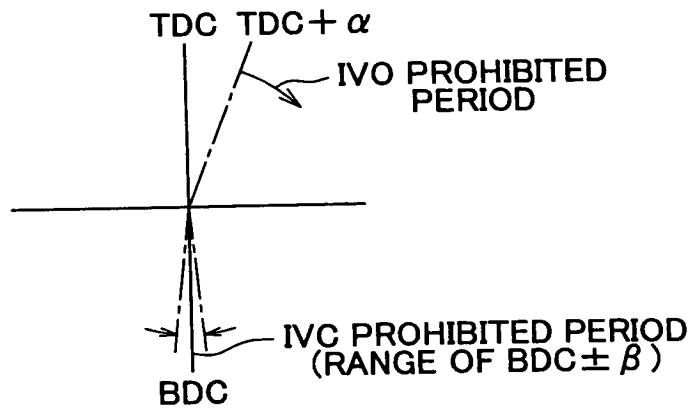


FIG. 6B

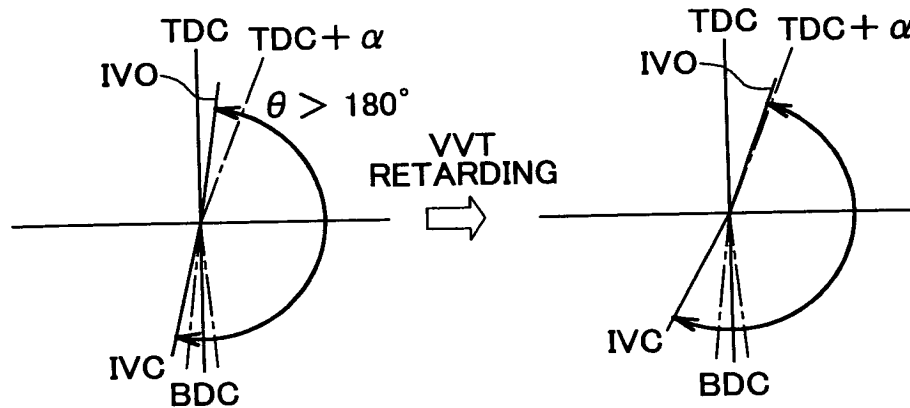


FIG. 6C

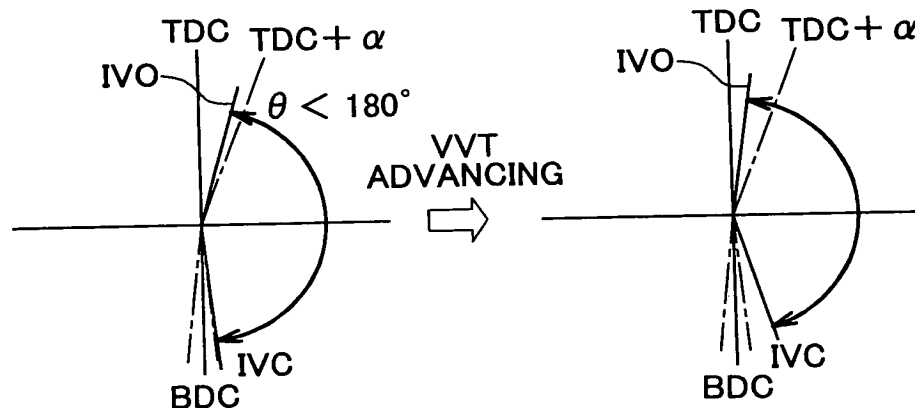


FIG. 7

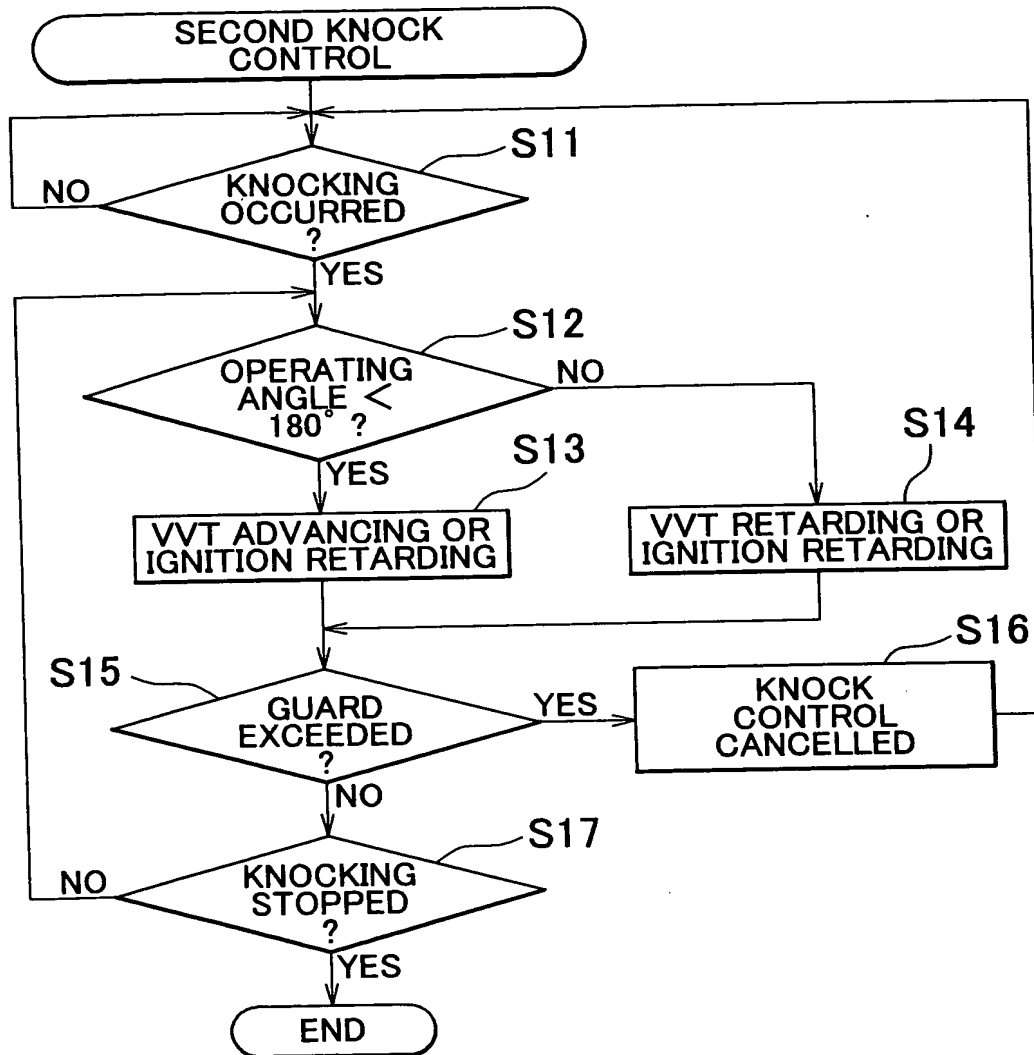


FIG. 8A

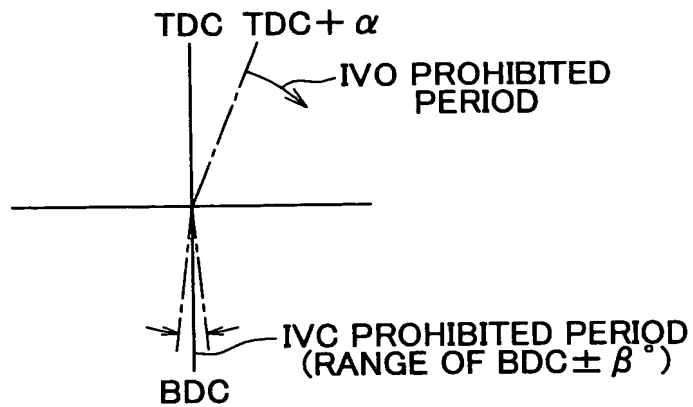


FIG. 8B

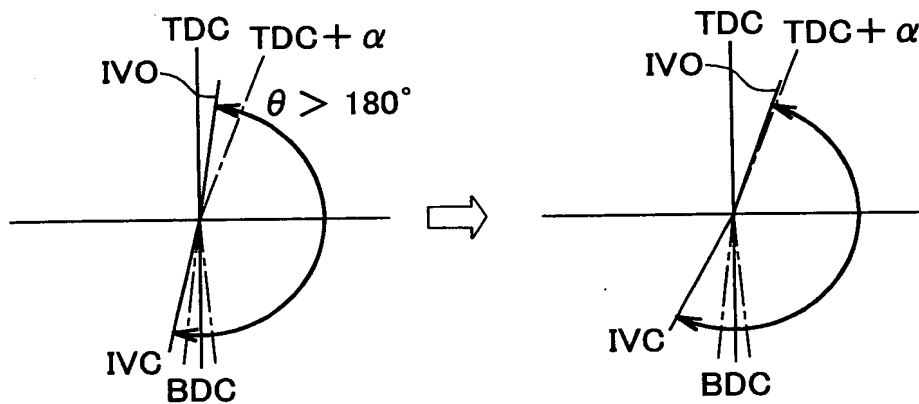


FIG. 8C

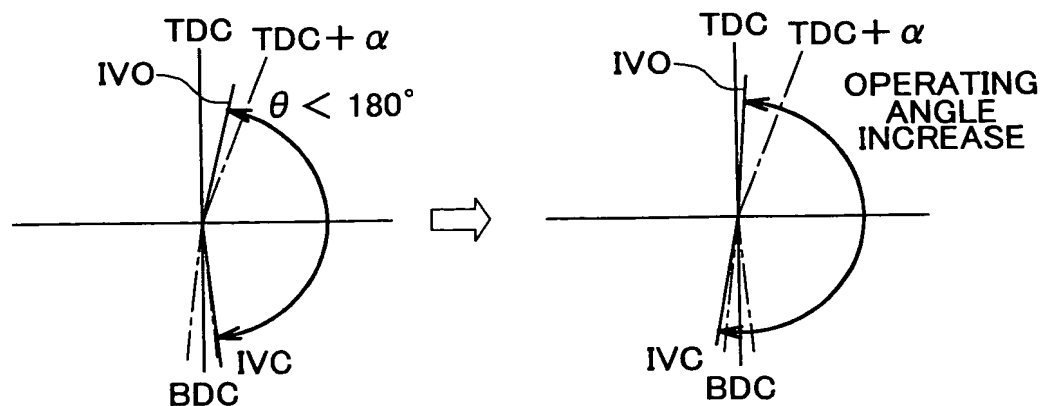


FIG. 9

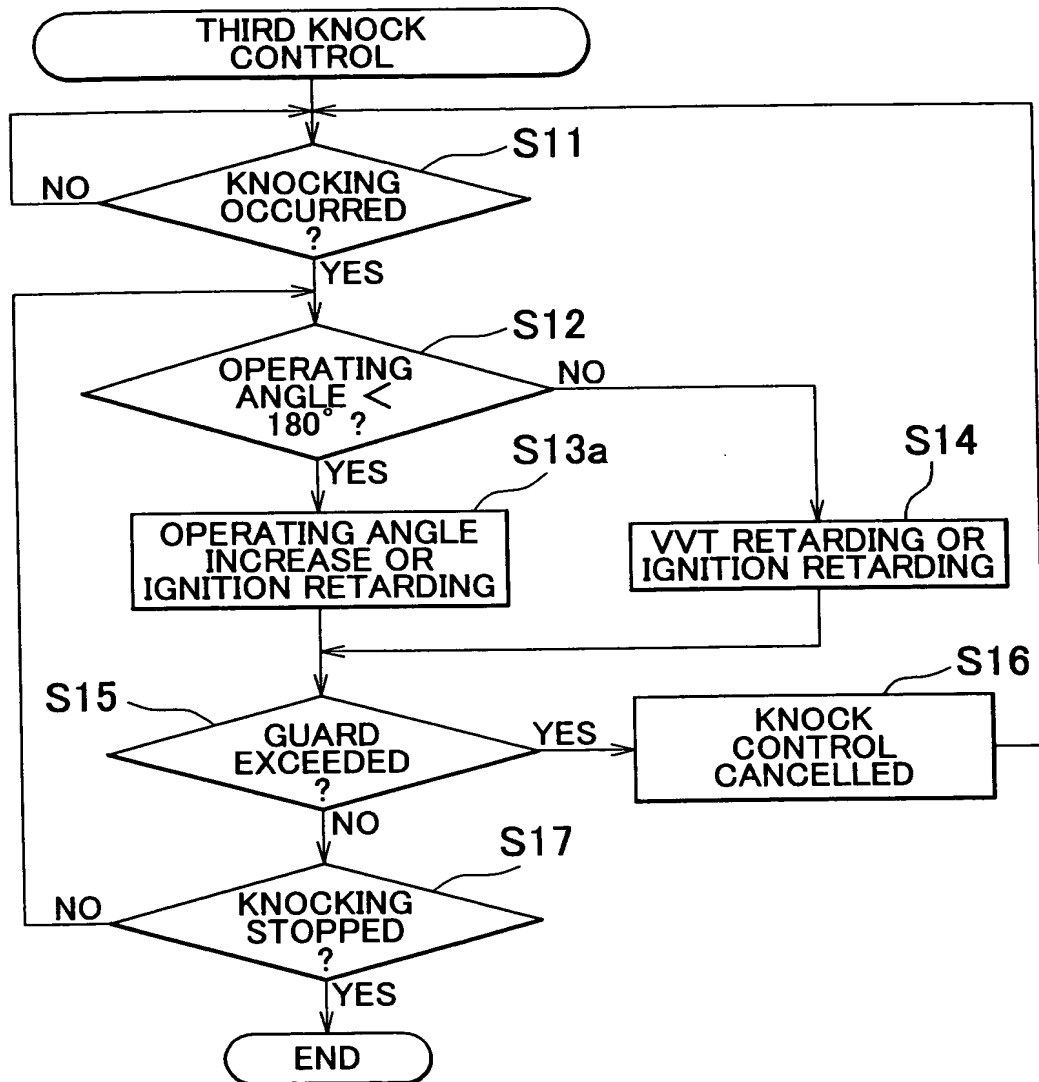


FIG. 10

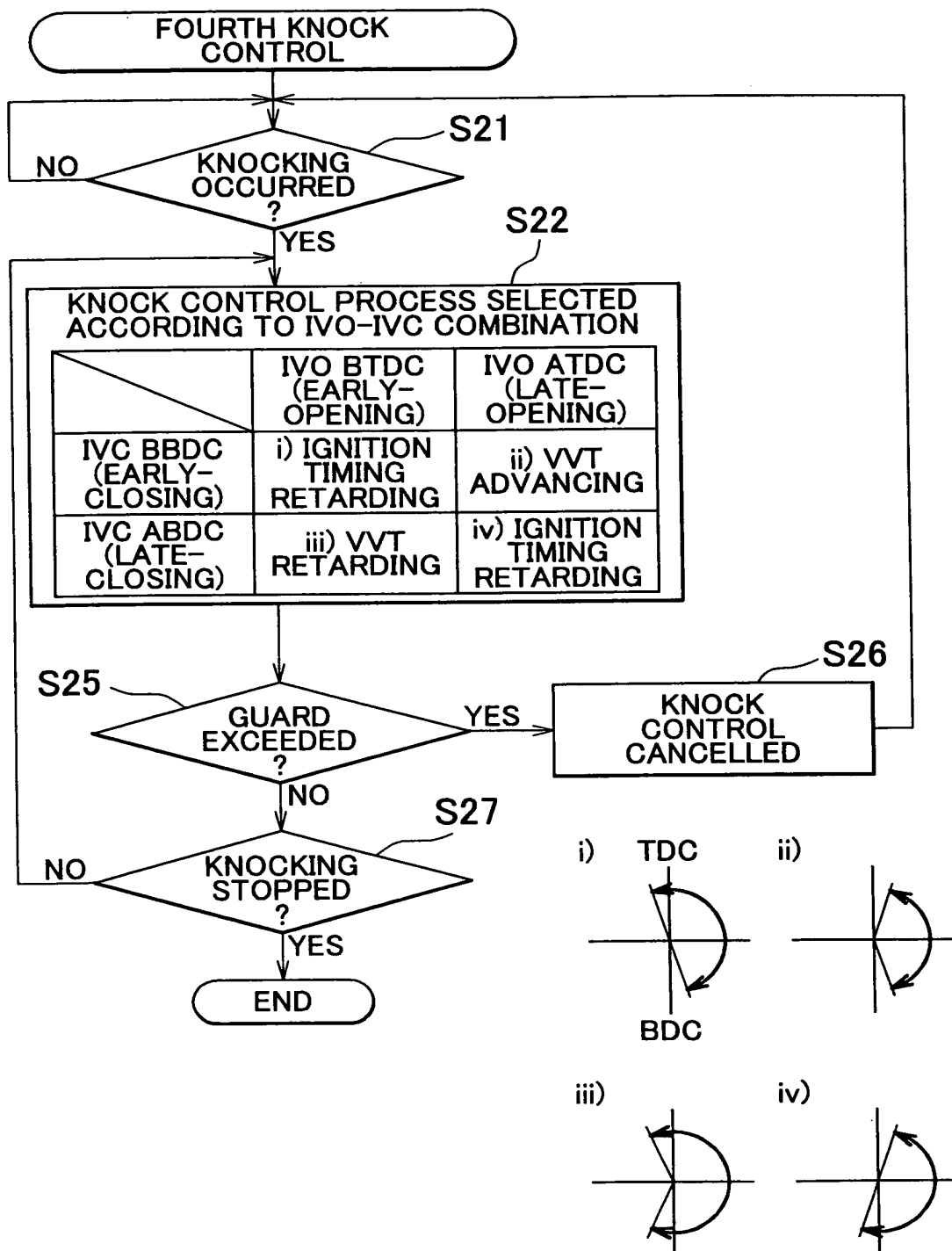


FIG. 11A

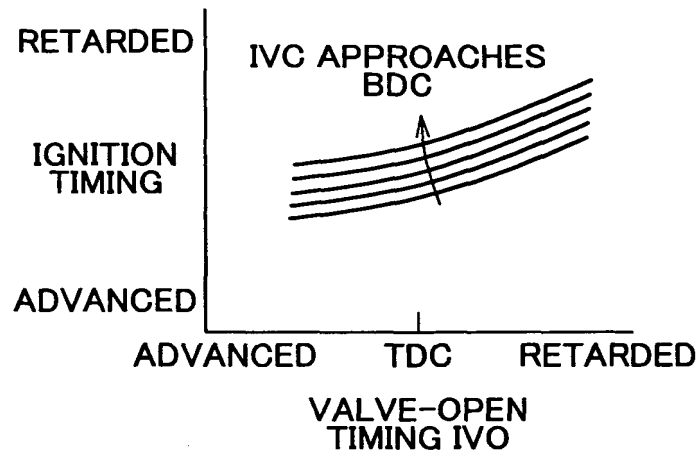


FIG. 11B

IVO	B20	B10	TDC	A10	A20	A30	A40	A50
ΔT_o	0	-1	-2	-3	-5	-7	-10	-13

(NEGATIVE VALUES INDICATE TIMING RETARDING)

FIG. 11C

IVC	B30	B20	B10	BDC	A10	A20	A30
ΔT_c	0	-2	-4	-5	-4	-2	0

(NEGATIVE VALUES INDICATE TIMING RETARDING)